



Rural Telephony Application Brief

Meet the Communications Needs of Customers in Rural Areas

The Customer Challenge

Residents and businesses in rural areas commonly have no access to communication. Only their most basic requirements are met with antiquated rural radio service equipment. Customers in these rural areas have user requirements similar to those of urban customers, ranging from basic dial tone to broadband access, and yet these requirements are simply not being met. Due to remote location, difficult terrain, hostile environment or widely dispersed customers, laying copper or fiber may not be a cost-effective solution to deliver connectivity. These customers need a flexible, reliable solution that can cost-effectively meet their communications needs now and in the future.

Take your communications anywhere and extend your broadband service anywhere in the world, economically, quickly and easily, with iDirect.

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The iDirect Solution

The iDirect broadband satellite access solution allows users anywhere to bypass the need for last-mile connectivity through landline connections without sacrificing the communications functionality. The iDirect solution has the flexibility to cost-effectively meet any customer requirements, from basic dial tone to advanced broadband network solutions.

- High bandwidth — up to 20 Mbps — reliability and security
- Capability of supporting POTS (voice, fax, dial-up data) and broadband
- Quality of Service and network prioritization to support multiple voice channels
- Seamless integration with legacy and planned IT equipment
- Network scalability



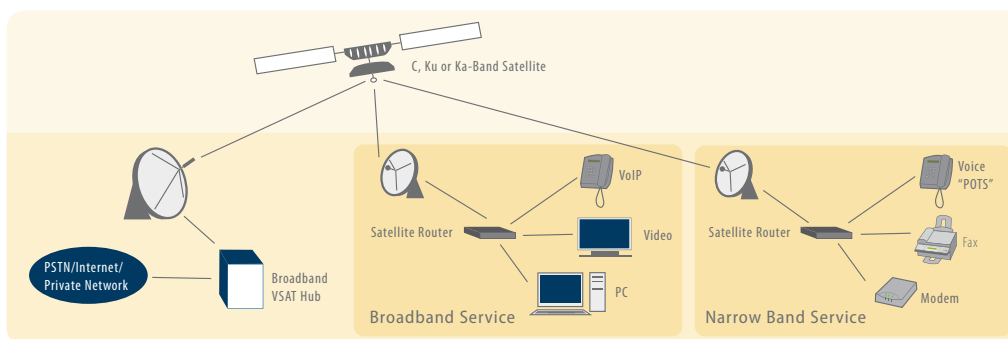
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Solution Overview

The iDirect Satellite Router integrates all the hardware and software needed to deliver bidirectional broadband easily and efficiently. And the iDirect solution provides the networking power you need to support all your user applications and meet any communications challenge via satellite.

- **Broadband Access** — iDirect provides the highest TCP/IP throughputs in the industry, with speeds up to 20 Mbps downstream and 6.5 Mbps upstream.
- **Application Support** — Deploy any HTTP application and simultaneously support data, voice and video to multiple locations while guaranteeing delivery quality.
- **A Centralized NMS System** — Manage all your remote units from a central location.
- **Increased Bandwidth Efficiency** — Support more applications and carry more traffic over your available bandwidth.
- **Support Real-Time Applications** — Deploy applications such as voice and video with the most flexible and granular Quality of Service (QoS) capabilities in the industry.
- **Security** — The iDirect solution enables deployment of government- or corporate-approved VPN solutions over satellite networks without loss of either TCP performance or support of real-time applications such as VoIP and streaming video.

Developed specifically to meet the communication needs of enterprise customers, iDirect-powered networks break the constraints of traditional landlines. We deliver the speed, performance and flexibility to fulfill the most demanding requirements of today's end users — anywhere.



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Advancing a Connected World